

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Vanessa S. Jackson

Applicant : Mark L. Buer, et al. Confirmation No.5560

Application No. : 09/827,882 Filed : April 4, 2001

Title : AUTHENTICATION ENGINE ARCHITECTURE AND METHOD

Grp./Div. : 2137

Examiner : Paul E. Callahan Docket No. : 50454/B600

INFORMATION DISCLOSURE STATEMENT 37 CFR § 1.97(b)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Post Office Box 7068 Pasadena, CA 91109-7068 February 21, 2006

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed non-U.S. references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

Ву

Stephen D. Burbach Reg. No. 40,285 626/795-9900

SDB/vsi

Enclosures: PTO/SB/08A/B, w/references

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FORM PTO/SB/08A/Rel 10-01) Substitute for PTO-1444 B INFORMATION DISCLOSURE	Attorney Docket Number	50454/B600
INFORMATION DISCLOSURE	Application Number	09/827,882
STATEMENT BY APPLICANT	Filing Date	April 4, 2001
STATEMENT DI ATLECANI	Applicant(s)	Mark Buer
(use as many sheets as necessary)	Group Art Unit	2137
	Examiner Name	Paul E. Callahan

	U.S. PATENT DOCUMENTS			
EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
	-	5,297,206	03-22-1994	Orton
		5,796,836	08-18-1998	Markham
		5,870,474	02-09-1999	Wasilewski et al.
		5,936,967	08-10-1999	Baldwin et al.
	.,	5,943,338	08-24-1999	Duclose et al.
		6,111,858	08-29-2000	Greaves et al.
		6,216,167	04-10-2001	Momirov
		6,304,657 B1	10-16-2001	Yokata et al.
		6,334,190 B1	12-25-2001	Silverbrook et al.
		2001/0021253	09-13-2001	Furuya et al.

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✔)
•		WO 01/80483 A2	10-25-2001	Mark Buer et al.	
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OTHER DOCUMENTS			
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		SAIT, S. M., et al. "A Novel Technique for Fast Multiplication." Computers and Communications, Conference Proceedings of the 1995 IEEE Fourteenth Annual International Phoenix Conference on 28-31 March 1995, pp. 109-114.	

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EXAMINER SIGNATURE		DATE CONSIDERED	***	
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considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

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FORM PTO/SB/08A/B (10 m) Substitute for PTO-1449A/B	Attorney Docket Number	50454/B600
FORM PTO/SB/08A/B (10 to 1) Substitute for PTO-1449A/B INFORMATION DISCLOSURE	Application Number	09/827,882
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		HAO-YUNG LO, et al. "A High-Speed Self-Timing Carry-Completion for Direct Two's Complement Multipliers." Circuits and Systems IEEE APCCAS 1998. The 1998 IEEE Asia-Pacific Conference on 24-27 Nov. 1998, pp. 643-646.
		RAGAB, A. et al. "An Efficient Message Digest Algorithm (MD) for Data Security." Electrical and Electronic Technology, TENCON. Proceedings of IEEE Region 10 International Conference on Volume 1, 19-22 Aug. 2001, pp. 191-197.
		DEEPAKUMARA, J., et al. "FPGA Implementation of MD5 Hash Algorithm." Electrical and Computer Engineering, 2001. Canadian Conference on 13-16 May 2001, vol. 2, pp. 919-924.
		International Search Report for Application No. PCT/US02/00642; search completed on October 17, 2002, The Netherlands.
		SEDGEWICK. R. "Algorithms in C - Third Edition," 1998, Addison Wesley, XP002163543, pages 573-608.
		"Secure Products VMS115", VLSI Technology, Inc., Printed in USA, Document Control: VMS115, VI, 0, Jan. 1999, pp. 1-2.
		"VMS115 Data Sheet", VLSI Technology, Inc., a subsidiary of Philips Semiconductors, Revision 2:3, Aug. 10, 1999, pp. 1-64.
		"Data Sheet 7751 Encryption Processor", Network Security Processors, Jun. 1999, pp. 1-84.
		SENIE, D., "NAT Friendly Application Design Guidelines," Amaranth Networks, Inc., NAT Working Group, Internet -Draft, September 1999, pp. 1-7.
		FLOYD, SALLY, et al., "Random Early Detection Gateways for Congestion Avoidance", Lawrence Berkeley Laboratory, University of California, IEEE/ACM Transactions on Networking, Aug. 1993, pp. 1-32.
		EGEVANG, K., et al., "The IP Network Address Translator (NAT)", Network Working Group, May 1994, pp. 1-10.
		PALL, G. S., et al., "Microsoft Point-To-Point Encryption (MPPE) Protocol", Microsoft Corporation, Network Working Group, Internet Draft, Oct. 1999, pp. 1-12.
		DEUTSCH, P., "DEFLATE Compressed Data Format Specification Version 1.3", Aladdin Enterprises, Network Working Group, May 1996, pp. 1-17.
		KENT, S., "IP Authentication Header", Network Working Group, Nov. 1998, pp. 1-22.

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

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FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B	Attorney Docket Number	50454/B600
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	OTHER DOCUMENTS			
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		KENT, S., et al., "IP Encapsulating Security Payload (ESP)", Network Working Group, Nov. 1998, pp. 1-22.		
	•	MAUGHAN, D., et al., "Internet Security Association and Key Management Protocol (ISAKMP)", Network Working Group, Nov. 1998, pp. 1-20.		
		HARKINS, D., et al., "The Internet Key Exchange (IKE)", Cisco Systems, Network Working Group, Nov. 1998, pp. 1-12.		
	·	SRISURESH, P., "Security Model with Tunnel-mode Ipsec for NAT Domains", Lucent Technologies, Network Working Group, Oct. 1999, pp. 1-11.		
		SHENKER, S., "Specification of Guaranteed Quality of Service", Network Working Group, Sep. 1997, pp. 1-20.		
		SRISURESH, P., et al., "IP Network Address Translator (NAT) Terminology and Considerations", Lucent Technologies, Network Working Group, Aug. 1999, pp. 1-30.		
	<u>-</u>	KENT, S., et al., "Security Architecture for the Internet Protocol", Network Working Group, Nov. 1998, pp. 1-66.		
		"Compression for Broadband Data Communications", BlueSteel Networks, Inc., Sep. 8, 1999, pp. 1-9.		
	-	"Securing and Accelerating e-Commerce Transactions", BlueSteel Networks, Inc., Revision 2.0, Oct. 20, 1999, pp. 1-7.		
		"Securing Broadband Communications", BlueSteel Networks, Inc., Sep. 8, 1999, pp. 1-10.		
		Analog Devices: "ADSP2141 SafeNetDPS User's Manual, Revision 6", Analog Devices Technical Specifications, Mar. 2000, XP002163401, 87 Pages.		
		C. MADSON, R. GLENN: "RFC 2403- The Use of HMAC-MD5-96 within ESP and AH", IETF Request for Comments, Nov. 1998, XP002163402, Retrieved from Internet on Mar. 20, 2001, http://www.faqs.org/rfcs/frc2403.html, 5 Pages.		
		S. KENT, R. ATKINSON: "RFC 2406-IP Encapsulating Security Payload (ESP)" IETF Request for Comments, Nov. 1998, XP002163400, Retrieved from the Internet on Mar. 20, 2001, http://www.faqs.org/rfcs/frc2406.html, 5 Pages.		
		KEROMYTIS, et al., "Implementing IPsec", Global Telecommunications Conference (Globecom), IEEE, Nov. 3, 1997, pp. 1948-1952.		

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FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B TRADEMART	Attorney Docket Number	50454/B600
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		PIERSON, et al., "Context-Agile Encryption for High Speed Communication Networks", Computer Communications Review, Association for Computing Machinery, vol. 29, No. 1, Jan. 1999, pp. 35-49.		
		SHOLANDER, et al., "The Effect of Algorithm-Agile Encryption on ATM Quality of Service", Global Telecommunications Conference (Globecom), IEEE, Nov. 3, 1997, pp. 470-474.		
		SMIRNI, et al., "Evaluation of Multiprocessor Allocation Policies", Technical Report, Vanderbilt University, Online, 1993, pp. 1-21.		
		TARMAN, et al., "Algorithm-Agile Encryption in ATM Networks", IEEE Computer, Sep. 1998, vol. 31, No. 1, pp. 57-64.		
		WASSAL, et al., "A VLSI Architecture for ATM Algorithm-Agile Encryption", Proceedings Ninth Great Lakes Symposium on VLSI, Mar. 4-6, 1999, pp. 325-328.		
		Analog Devices: "Analog Devices and IRE Announce First DSP-Based Internet Security System-On-A-Chip", Analog Devices Press Release, Online, Jan. 19, 1999, pp. 1-3. http://content.analog.com/pressrelease/prdisplay/0,1622,16,00.html.		
		3Com: "3Com Launces New Era of Network Connectivity", 3Com Press Release, Jun. 14, 1999, pp. 1-3.		

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